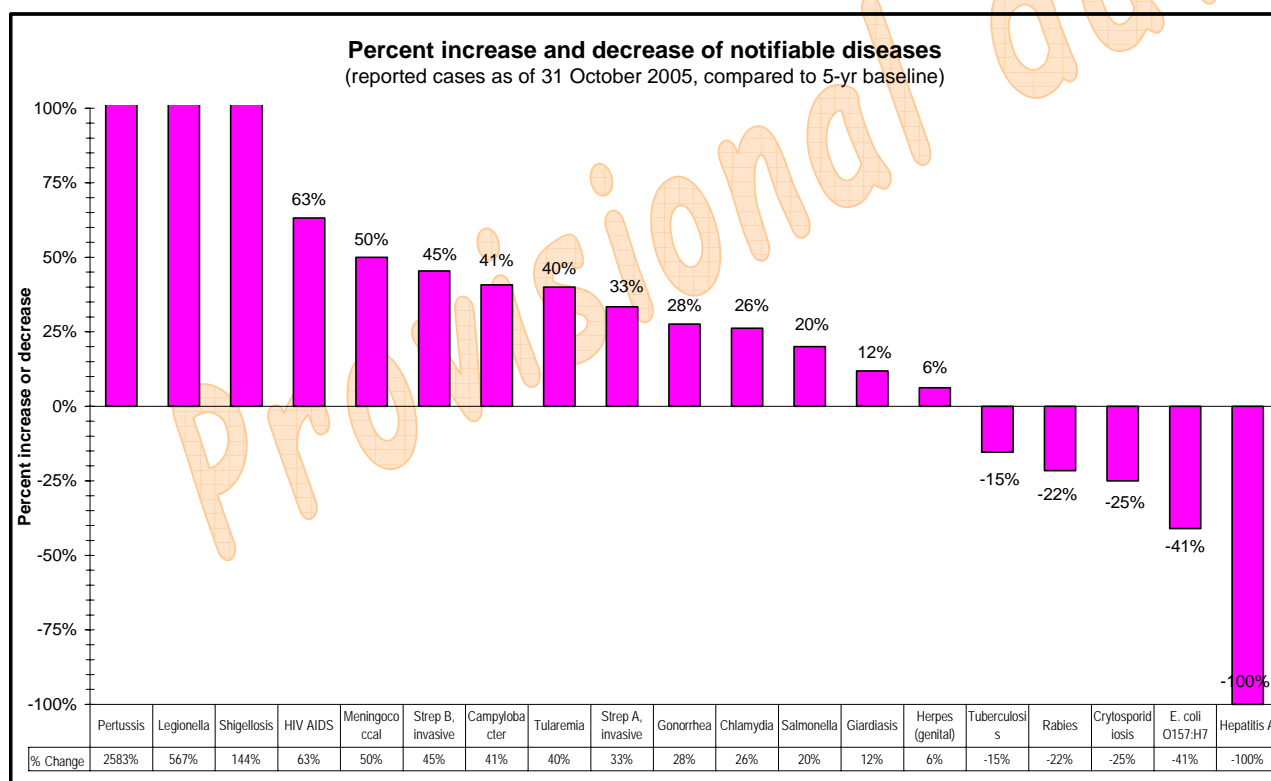


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 October 2005**These data are provisional.**

Year-to-date on 31 October 2005, increases $\geq 50\%$ were observed over 5-year median for Pertussis (+2583%), Legionellosis (+567%), Shigellosis (+144%), HIV/AIDS (+63%) and Meningococcal disease (50%).

Disease/agent	Oct cases	Cases as of 10/31/05	Incidence as of 10/31/05	5-year median cases	Percent increase/decrease	Comments
Pertussis	32	161	21	6	2583%	Highest rate in Central Region
Legionella	10	20	2	3	567%	18 cases in West, 1 in Central and Southeast.
Shigellosis	13	39	5	16	144%	High incidence in Central & West Region
HIV AIDS	1	31	4	19	63%	Highest incidence in Southeast.
Meningococcal	1	3	<1	2	50%	No cases reported in October
Strep B, invasive	0	16	2	11	45%	No cases reported in October
Campylobacter	7	221	29	157	41%	High incidence in Central & Northeast Region
Tularemia	0	7	1	5	40%	Last case reported in August
Strep A, invasive	1	20	3	15	33%	1 case reported in October
Gonorrhea	32	296	38	232	28%	High incidence in Central Region
Chlamydia	236	2317	301	1836	26%	High incidence in Central and West Region
Salmonella	2	126	16	105	20%	High incidence in Central and West Region
Giardiasis	7	85	11	76	12%	High incidence in Southeast Region
Herpes (genital)	31	291	38	274	6%	High incidence in West and Southeast
Tuberculosis	0	11	1	13	-15%	Lowest incidence in West Region
Rabies	No data	51	7	65	-22%	32+ skunks, 11+ cattle, 4+ horses, 2+ bats, 1+ dog, 1+ cat
Cryptosporidiosis	1	24	3	32	-25%	Cases in greater Yankton area
E. coli O157:H7	2	23	3	39	-41%	High incidence in Northeast Region
Hepatitis A	0	0	0	3	-100%	No cases this year, 4 cases last year.
Hantavirus	0	2	<1	1	+100%	1 case each in West and Central.
Syphilis	1	1	<1	0	NA	1 case this year in Southeast.
West Nile disease:	as of 10-15-05, 228 human cases, 66 suspects, 22 positive blood donors and 2 deaths.					



Incidence = cases reported per 100,000 population.

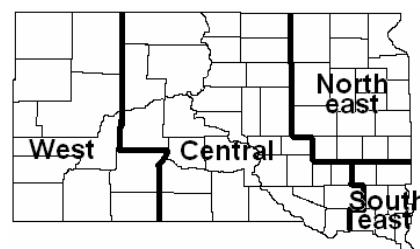
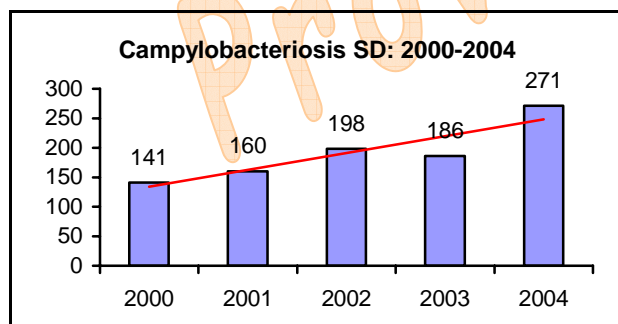
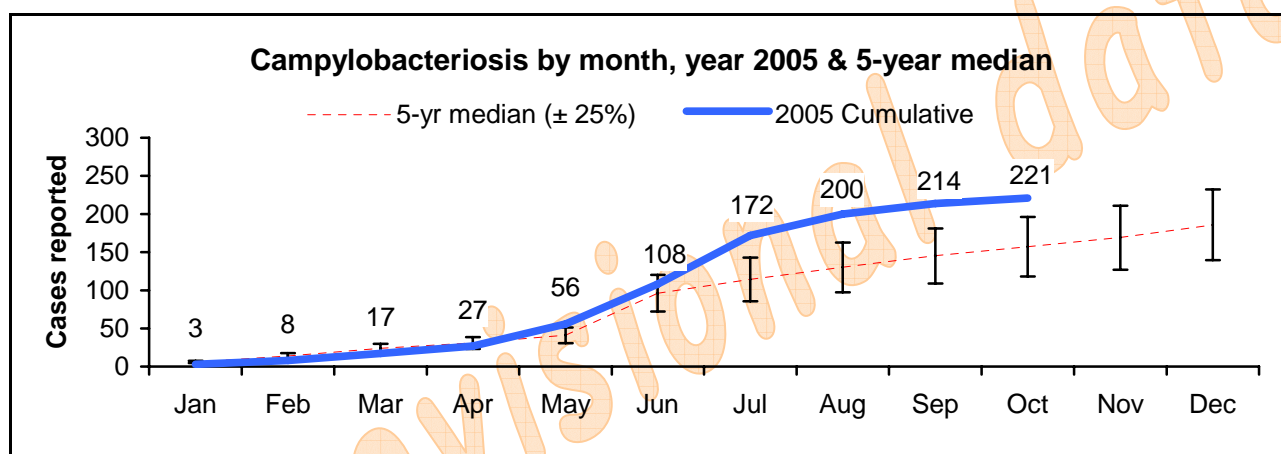
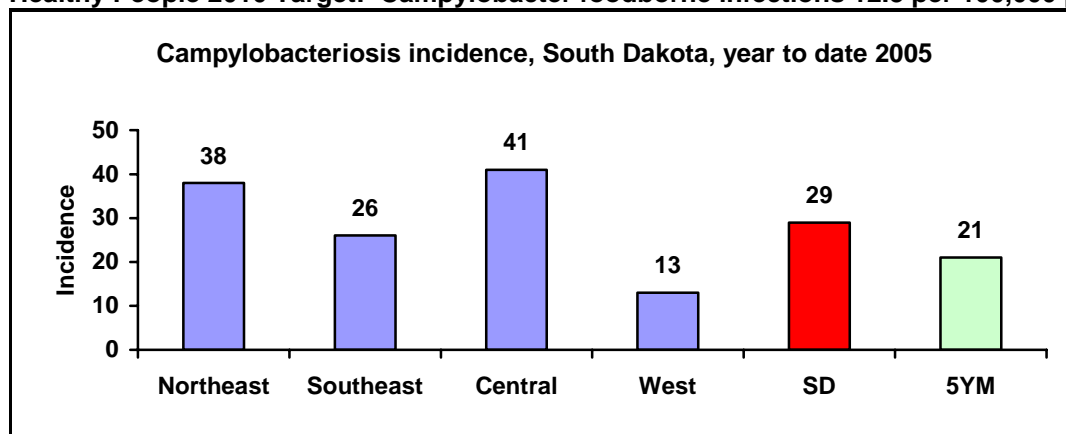
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS													
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
NorthEast Region	176,361	67	38.0	0	0	3	5	8	19	19	8	3	2
SouthEast Region	248,114	64	25.8	1	4	1	2	6	11	17	13	6	3
Central Region	158,182	65	41.1	1	1	4	2	10	18	20	4	3	2
Western Region	188,226	25	13.3	1	0	1	1	5	4	8	3	2	0
West River	233,472	40	17.1	1	0	3	1	8	8	13	3	3	0
East River	537,411	181	33.7	2	5	6	9	21	44	51	25	11	7
South Dakota YTD	770,883	221	28.7	3	5	9	10	29	52	64	28	14	7

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



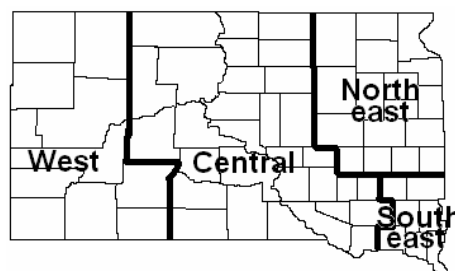
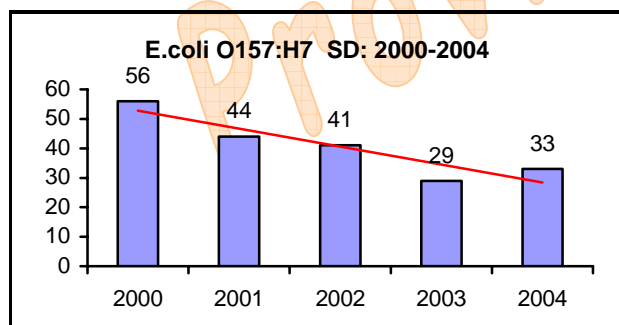
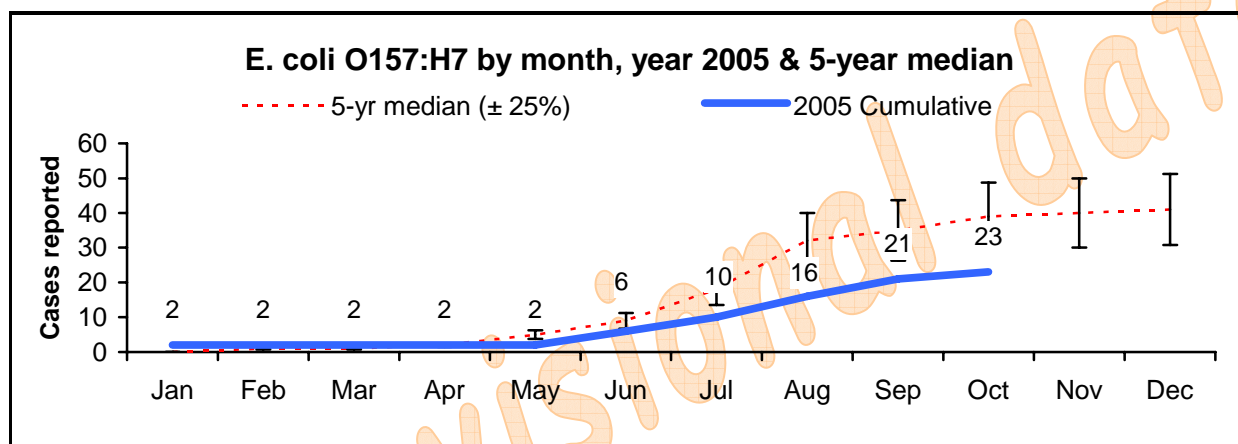
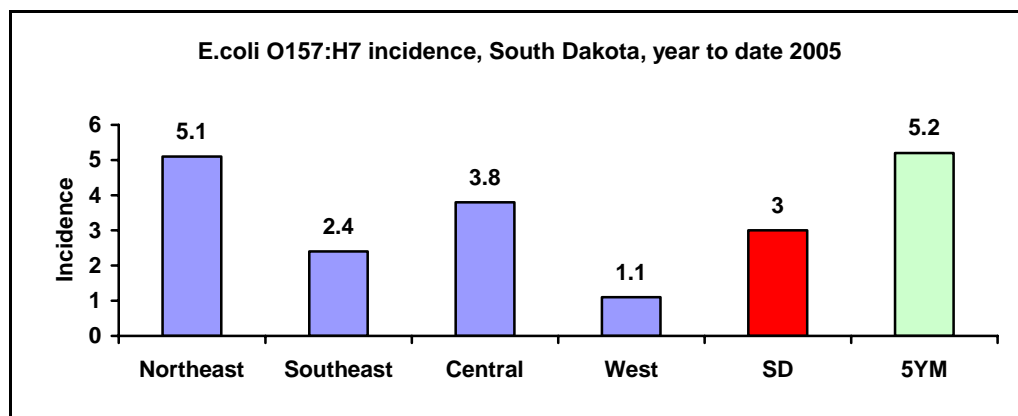
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

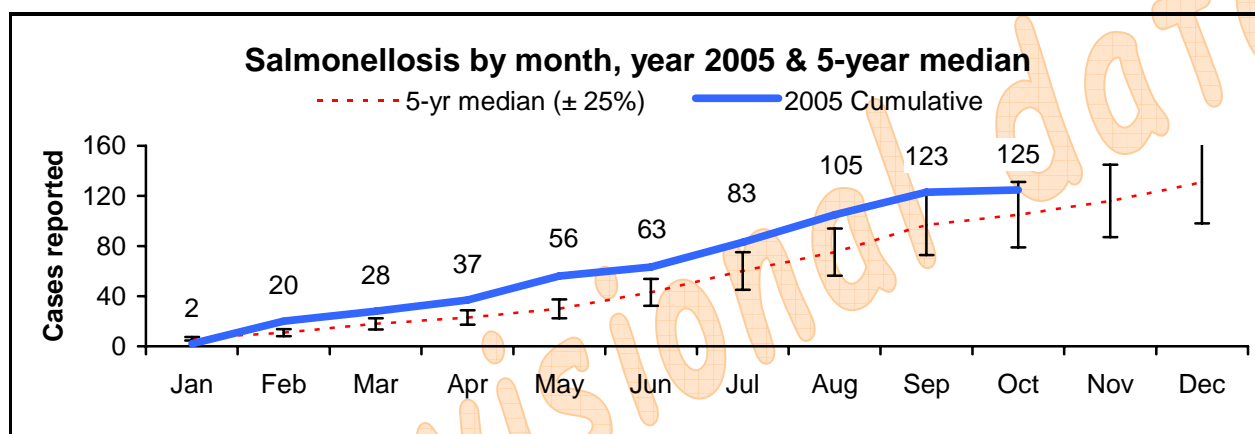
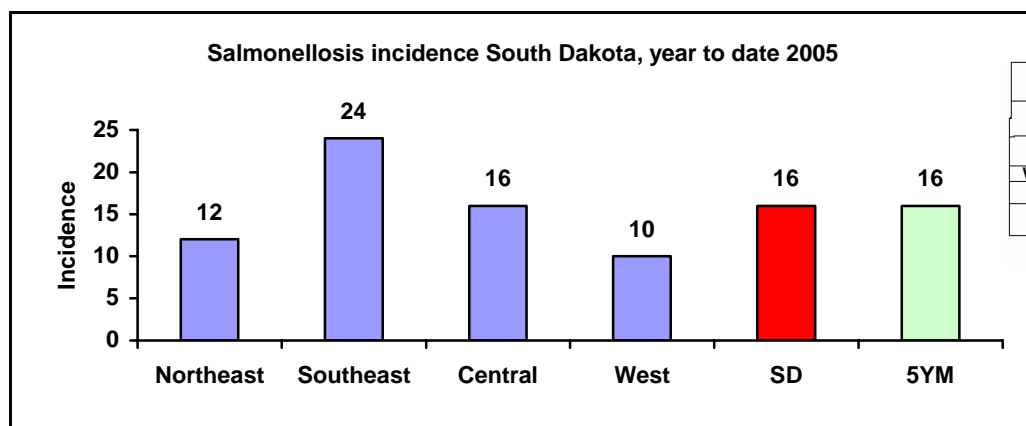
5YM= 5-year median

Population based on 2003 estimates

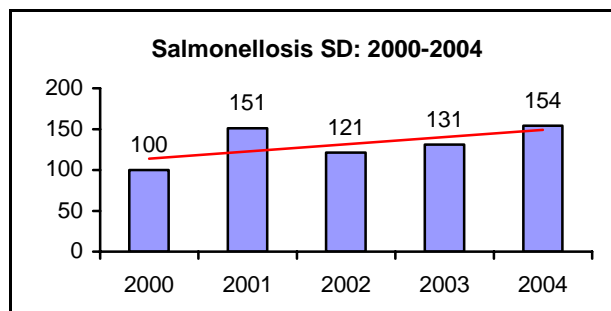
<u>E. coli O157:H7</u>														
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
NorthEast Region	176,361	9	5.1	0	0	0	0	0	2	2	2	2	1	
SouthEast Region	248,114	6	2.4	2	0	0	0	0	1	0	2	1	0	
Central Region	158,182	6	3.8	0	0	0	0	0	1	1	1	2	1	
Western Region	188,226	2	1.1	0	0	0	0	0	0	1	1	0	0	
West River	233,472	3	1.3	0	0	0	0	0	0	1	1	1	0	
East River	537,411	20	3.7	2	0	0	0	0	4	3	5	4	2	
South Dakota YTD	770,883	23	3.0	2	0	0	0	0	4	4	6	5	2	



SALMONELLOSIS													
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
NorthEast Region	176,361	22	12.5	0	8	3	2	0	2	2	2	3	0
SouthEast Region	248,114	59	23.8	1	6	1	3	9	3	14	12	9	1
Central Region	158,182	26	16.4	1	2	2	1	5	2	4	6	2	1
Western Region	188,226	18	9.6	0	2	2	3	5	0	0	2	4	0
West River	233,472	24	10.3	1	2	3	4	6	0	0	4	4	0
East River	537,411	101	18.8	1	16	5	5	13	7	20	18	14	2
South Dakota YTD	770,883	125	16.2	2	18	8	9	19	7	20	22	18	2



Salmonella serotype	TOTAL
S. derby	4
S. enteritidis	19
S. infantis	7
S. montevideo	4
S. newport	7
S. oranienberg	4
S. paratyphi B	3
S. typhimurium	36
Other serotypes	41
TOTAL	125



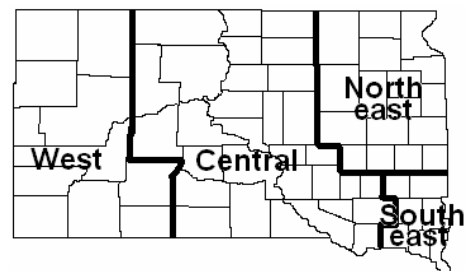
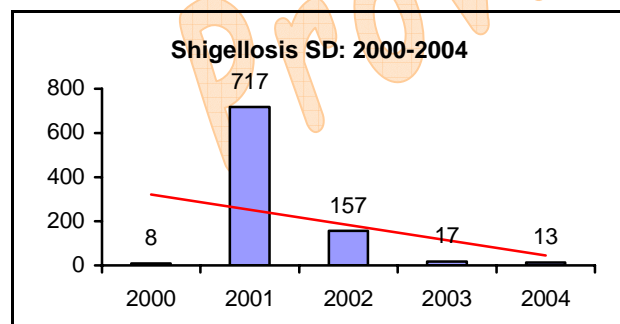
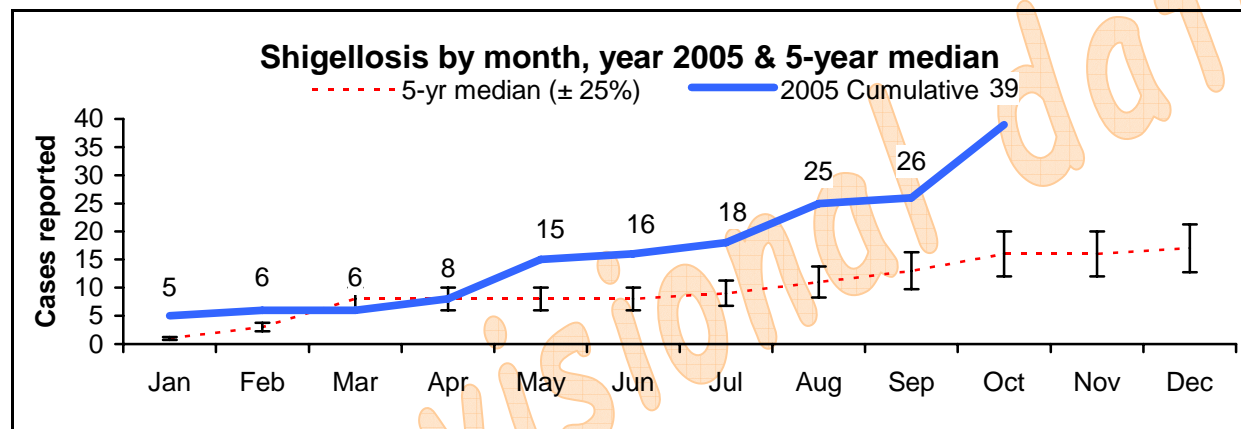
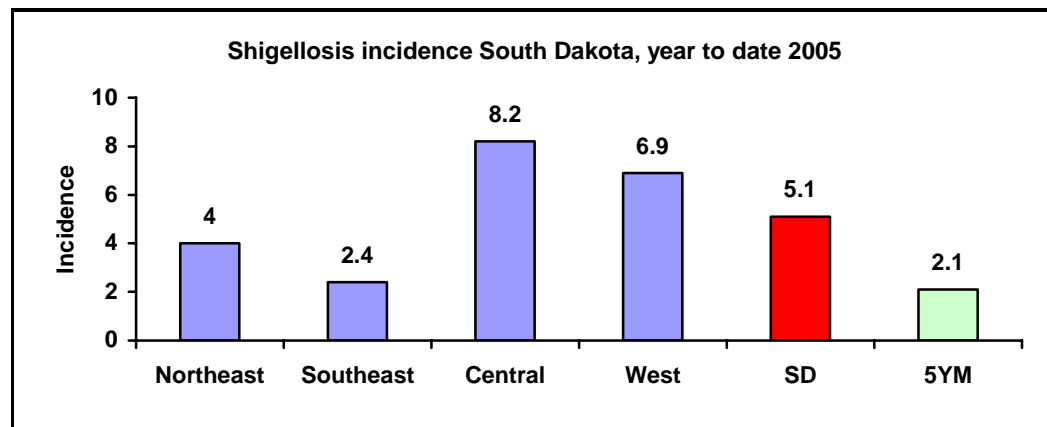
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

SHIGELLOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	7	4.0	0	0	0	0	7	0	0	0	0	0		
SouthEast Region	248,114	6	2.4	0	1	0	0	0	1	0	0	1	3		
Central Region	158,182	13	8.2	5	0	0	1	0	0	0	0	0	7		
Western Region	188,226	13	6.9	0	0	0	1	0	0	2	7	0	3		
West River	233,472	18	7.7	3	0	0	2	0	0	2	7	0	4		
East River	537,411	21	3.9	2	1	0	0	7	1	0	0	1	9		
South Dakota YTD	770,883	39	5.1	5	1	0	2	7	1	2	7	1	13		



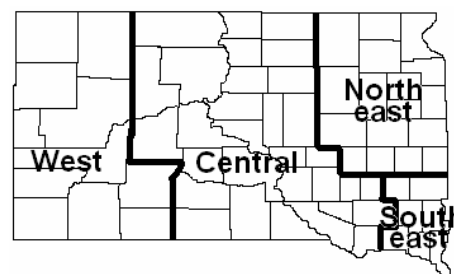
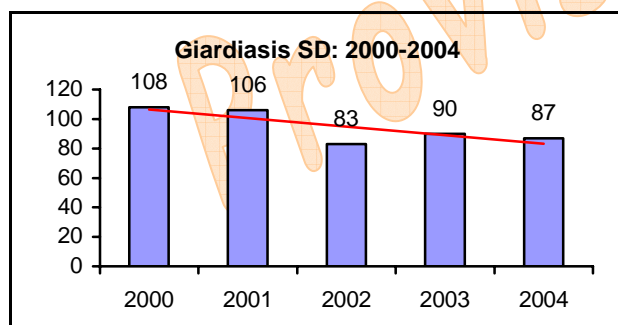
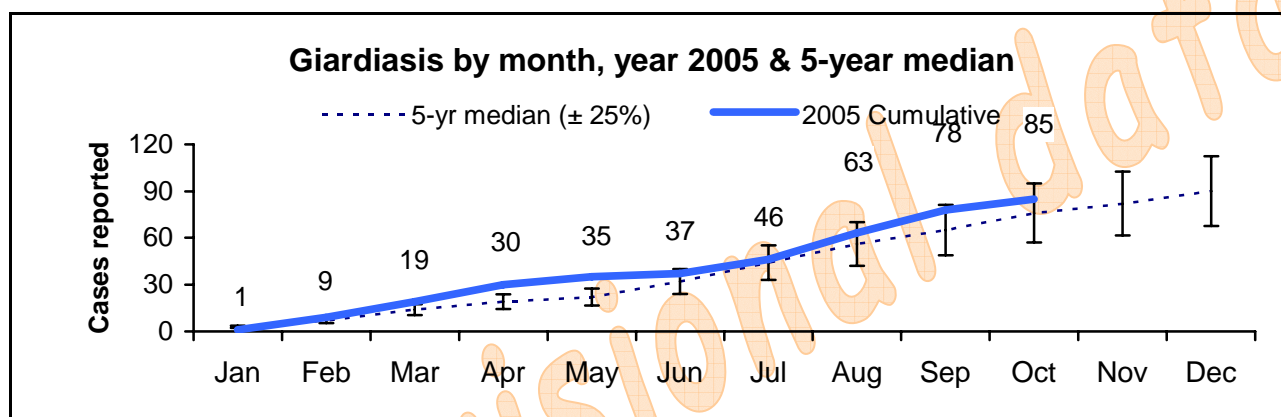
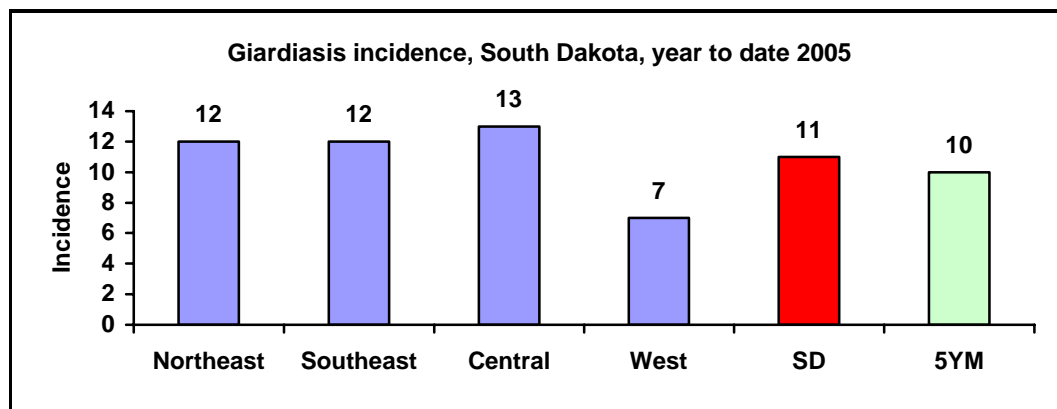
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

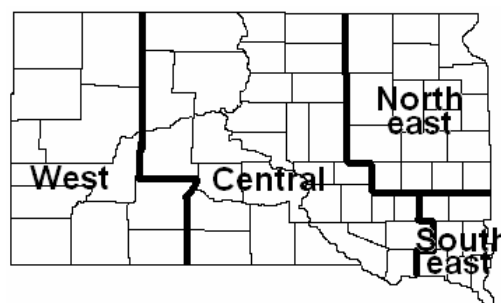
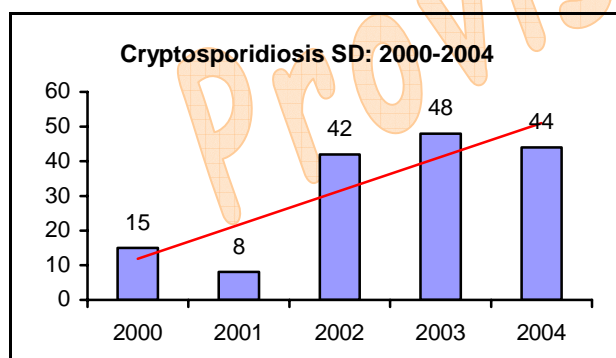
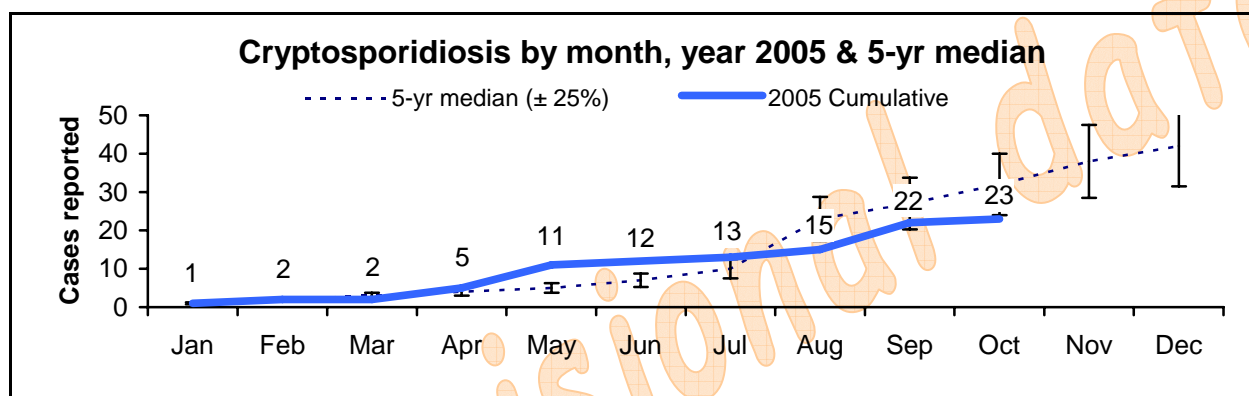
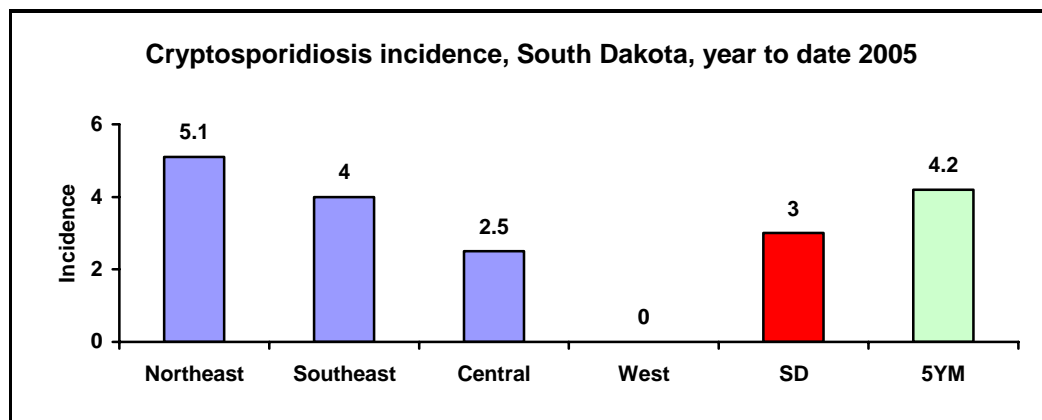
5YM= 5-year median

Population based on 2003 estimates

GIARDIASIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	21	11.9	0	1	4	6	0	2	2	4	1	1		
SouthEast Region	248,114	30	12.1	0	4	1	4	3	0	5	5	5	3		
Central Region	158,182	21	13.3	1	3	2	1	1	0	1	5	6	1		
Western Region	188,226	13	6.9	0	0	3	0	1	0	1	3	3	2		
West River	233,472	18	7.7	0	3	4	0	1	0	1	3	4	2		
East River	537,411	67	12.5	1	5	6	11	4	2	8	14	11	5		
South Dakota YTD	770,883	85	11.0	1	8	10	11	5	2	9	17	15	7		



CRYPTOSPORIDIOSIS													
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
NorthEast Region	176,361	9	5.1	0	1	0	2	2	1	1	0	2	0
SouthEast Region	248,114	10	4.0	1	0	0	1	1	0	0	2	4	1
Central Region	158,182	4	2.5	0	0	0	0	3	0	0	0	1	0
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0
West River	233,472	0	0.0	0	0	0	0	0	0	0	0	0	0
East River	537,411	23	4.3	1	1	0	3	6	1	1	2	7	1
South Dakota YTD	770,883	23	3.0	1	1	0	3	6	1	1	2	7	1



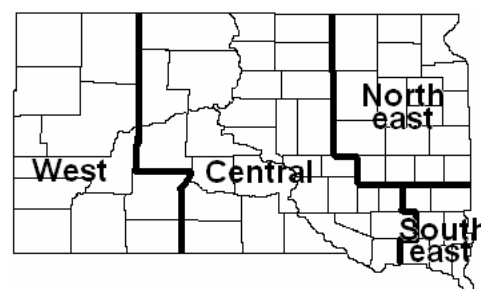
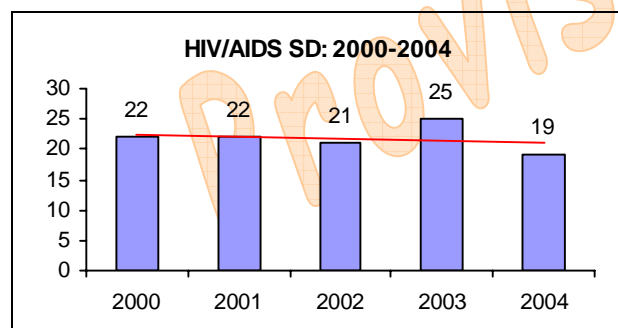
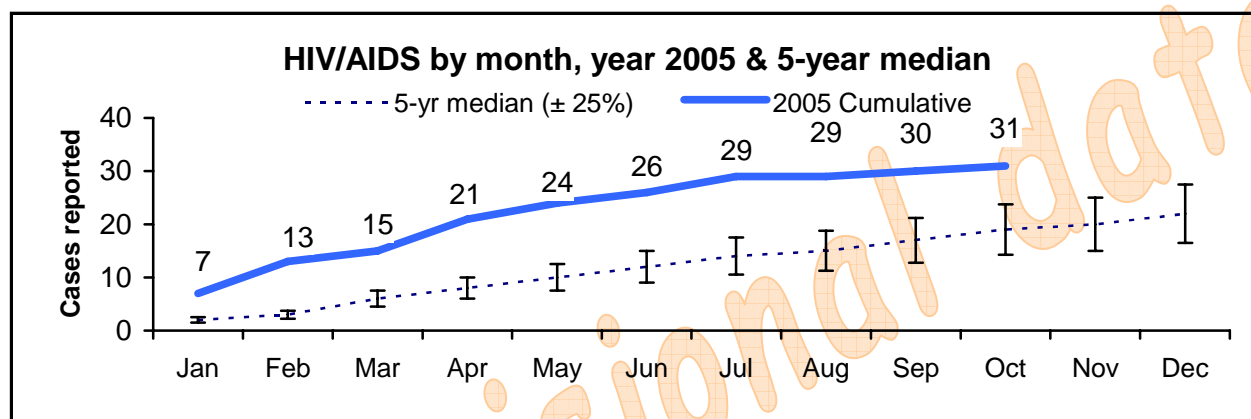
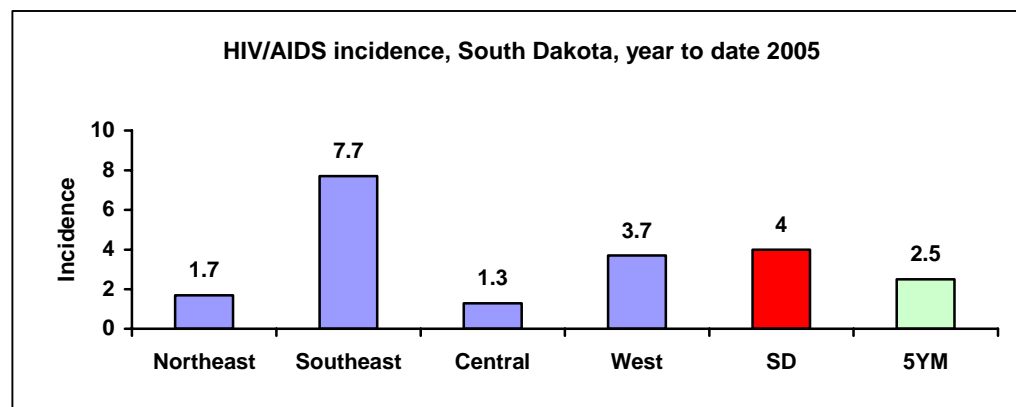
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

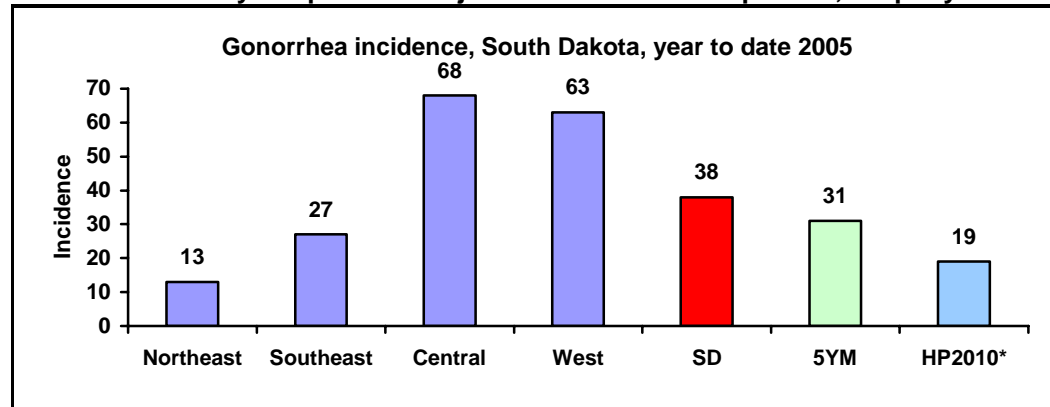
Population based on 2003 estimates

HIV / AIDS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	3	1.7	0	0	1	0	1	1	0	0	0	0		
SouthEast Region	248,114	19	7.7	5	4	0	5	0	1	3	0	1	0		
Central Region	158,182	2	1.3	1	0	1	0	0	0	0	0	0	0		
Western Region	188,226	7	3.7	1	2	0	1	2	0	0	0	0	1		
South Dakota YTD	770,883	31	4.0	7	6	2	6	3	2	3	0	1	1		

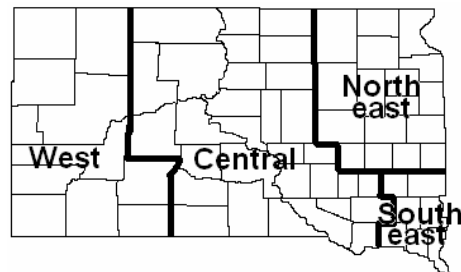
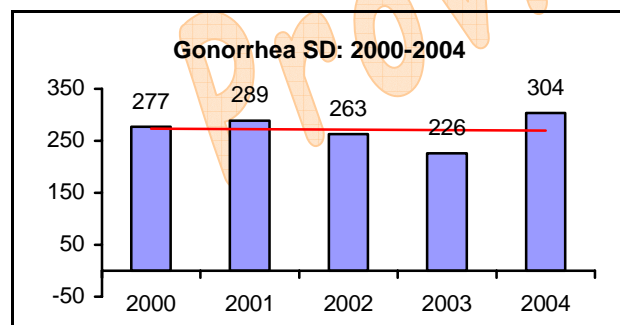
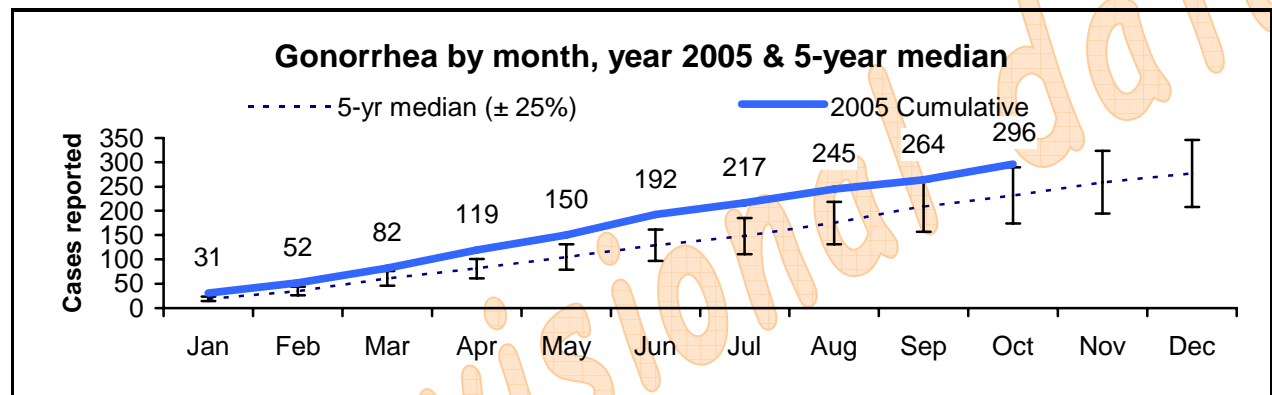


GONORRHEA															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	23	13.0	3	1	3	2	3	4	2	2	3	0		
SouthEast Region	248,114	66	26.6	10	5	7	10	3	9	7	9	1	5		
Central Region	158,182	107	67.6	7	5	11	12	14	13	5	6	10	24		
Western Region	188,226	100	53.1	11	10	9	13	11	16	11	11	5	3		
West River	233,472	172	73.7	18	13	15	23	23	26	14	12	10	18		
East River	537,411	124	23.1	13	8	15	14	8	16	11	16	9	14		
South Dakota YTD	770,883	296	38.4	31	21	30	37	31	42	25	28	19	32		

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



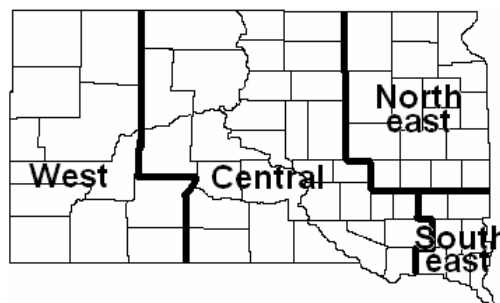
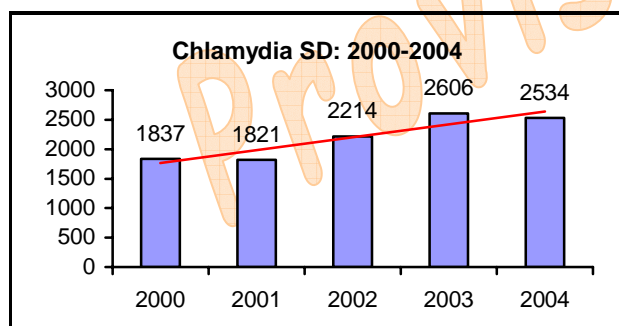
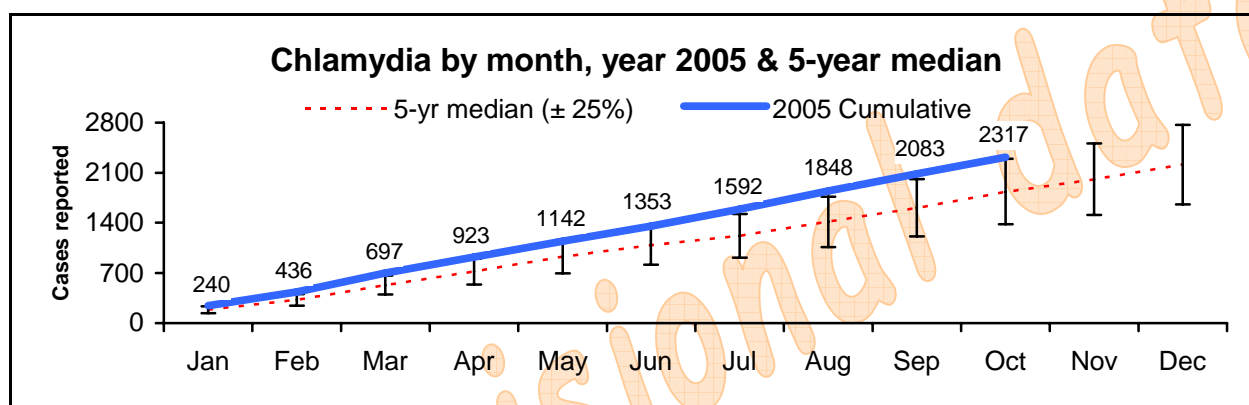
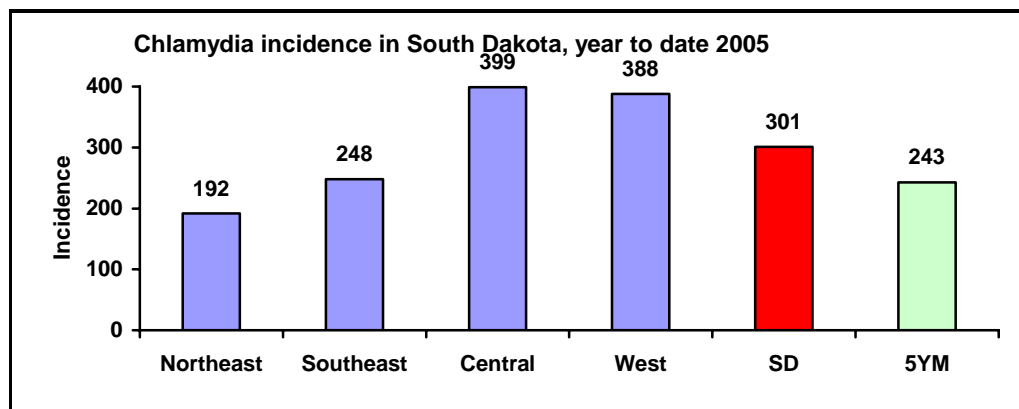
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA trachomatis														
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
NorthEast Region	176,361	339	192.2	36	40	50	41	35	19	25	29	38	26	
SouthEast Region	248,114	616	248.3	59	51	56	55	60	66	66	72	64	67	
Central Region	158,182	631	398.9	56	42	65	74	61	57	76	71	63	66	
Western Region	188,226	731	388.4	88	63	90	56	63	68	72	84	70	77	
West River	233,472	1,150	492.6	124	100	135	108	98	103	122	132	111	117	
East River	537,411	1,167	217.2	115	96	126	118	121	107	117	124	124	119	
South Dakota YTD	770,883	2,317	300.6	239	196	261	226	219	210	239	256	235	236	



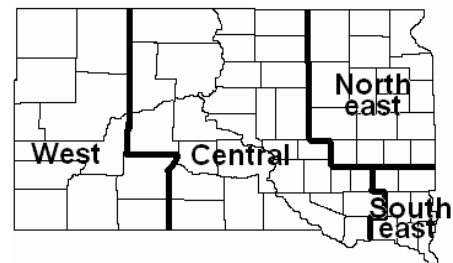
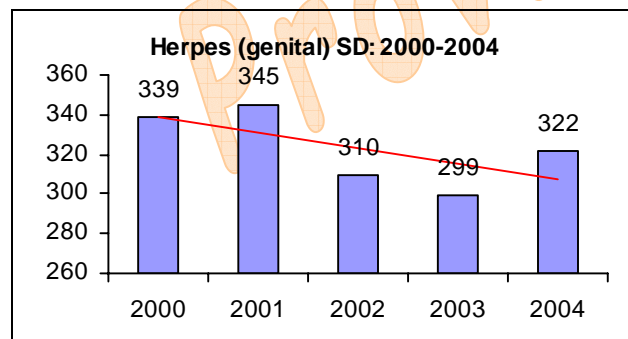
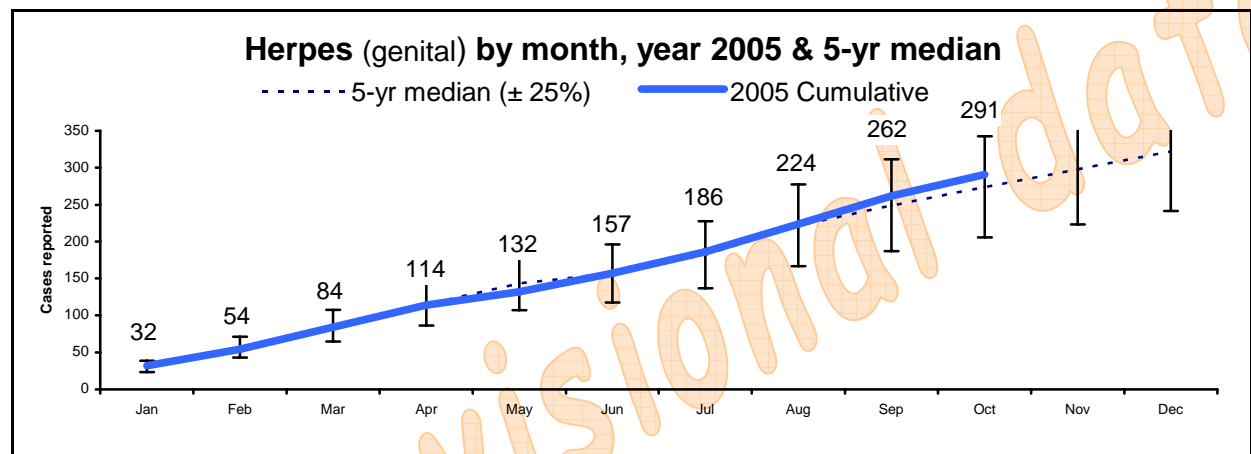
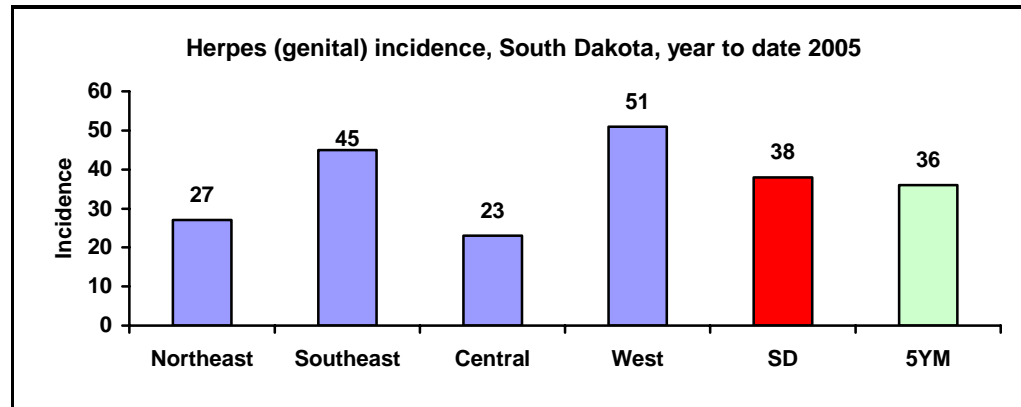
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HERPES, genital/neonatal		#													
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	48	27.2	4	3	5	6	3	3	5	6	5	8		
SouthEast Region	248,114	111	44.7	12	11	7	12	6	10	13	15	19	6		
Central Region	158,182	36	22.8	4	0	4	6	3	3	3	4	4	5		
Western Region	188,226	96	51.0	12	7	14	5	6	9	8	13	10	12		
West River	233,472	104	44.5	12	7	15	6	7	10	8	15	11	13		
East River	537,411	187	34.8	20	14	15	23	11	15	21	23	27	18		
South Dakota YTD	770,883	291	37.7	32	21	30	29	18	25	29	38	38	31		



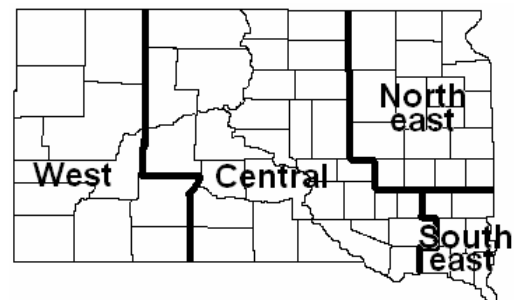
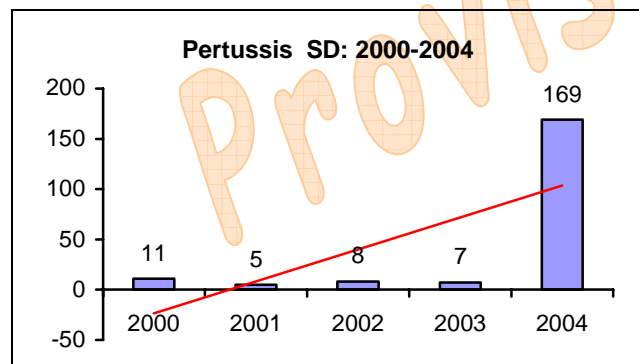
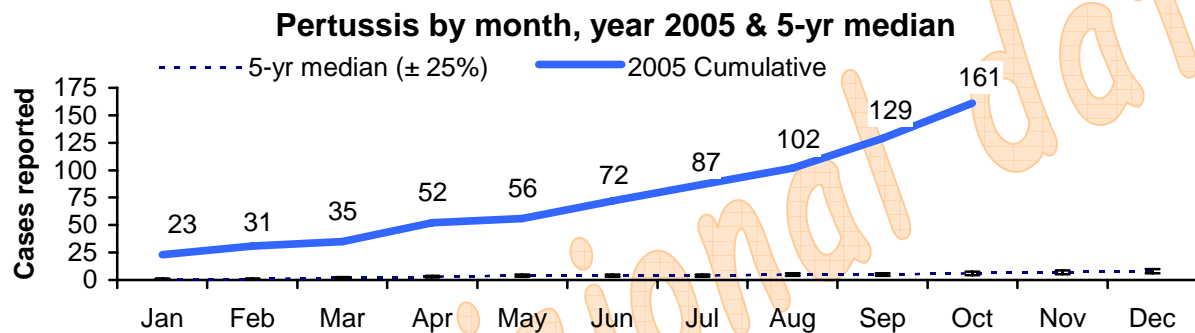
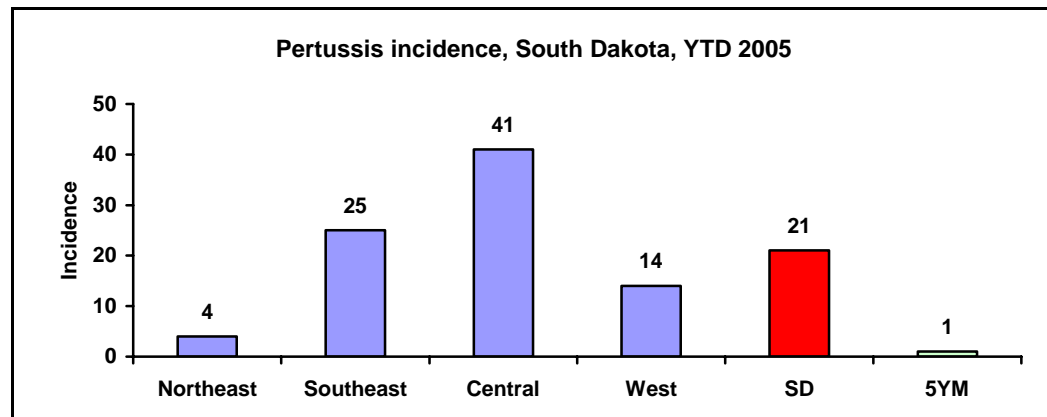
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
REGION	Pop	# cases	Incidence										
NorthEast Region	176,361	7	4.0	2	0	0	0	3	0	1	0	0	1
SouthEast Region	248,114	62	25.0	4	0	1	4	4	13	12	2	16	6
Central Region	158,182	65	41.1	12	3	8	1	3	1	1	1	10	25
Western Region	188,226	27	14.3	9	7	3	0	1	4	1	1	1	0
West River	233,472	59	25.3	13	7	3	0	3	5	1	1	8	18
East River	537,411	102	19.0	14	3	9	5	8	13	14	3	19	14
South Dakota YTD	770,883	161	20.9	27	10	12	5	11	18	15	4	27	32



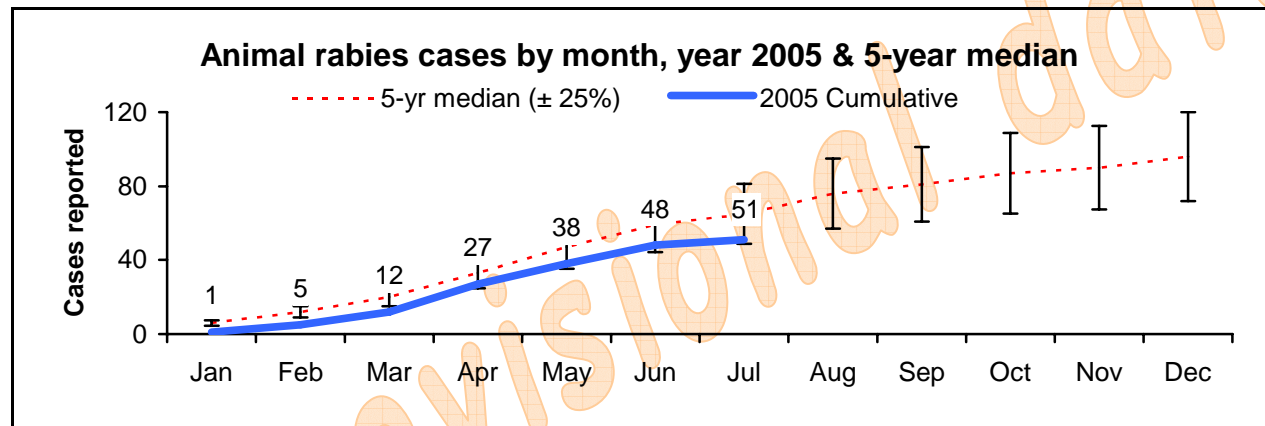
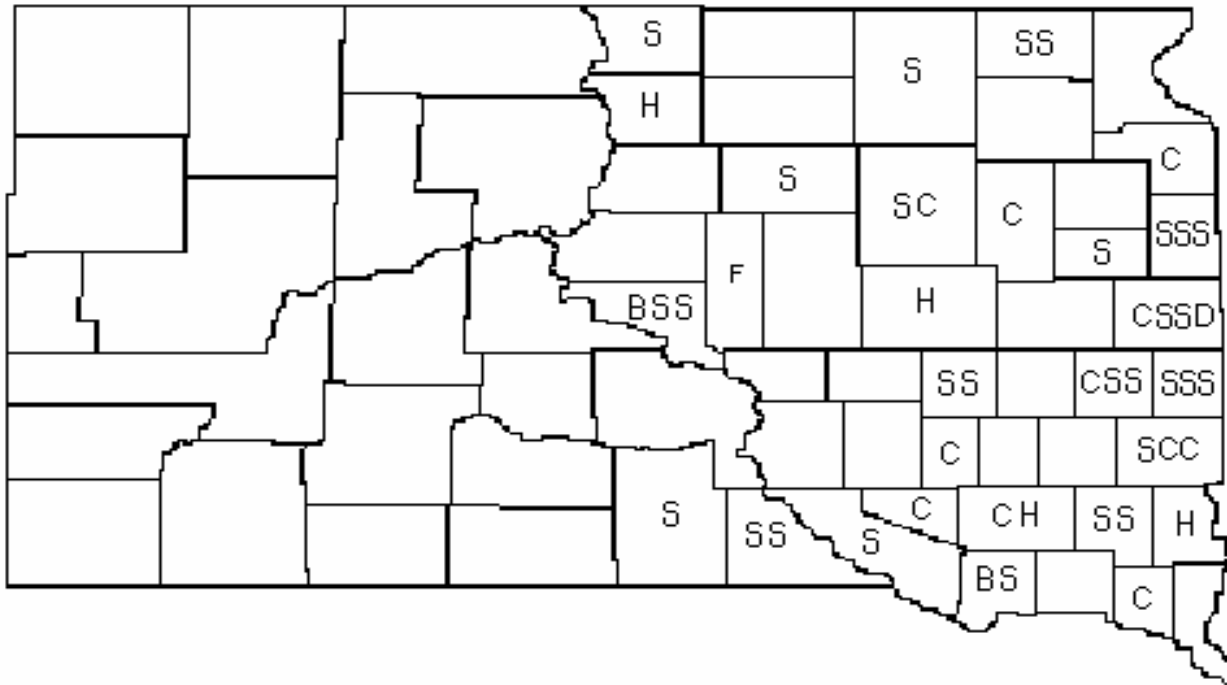
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

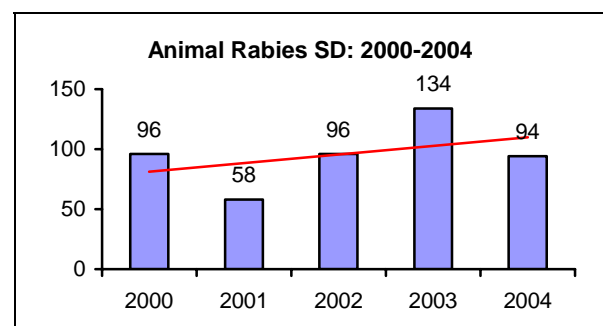
5YM= 5-year median

Population based on 2003 estimates

Animal Rabies in South Dakota, 1 January – 31 July 2005.



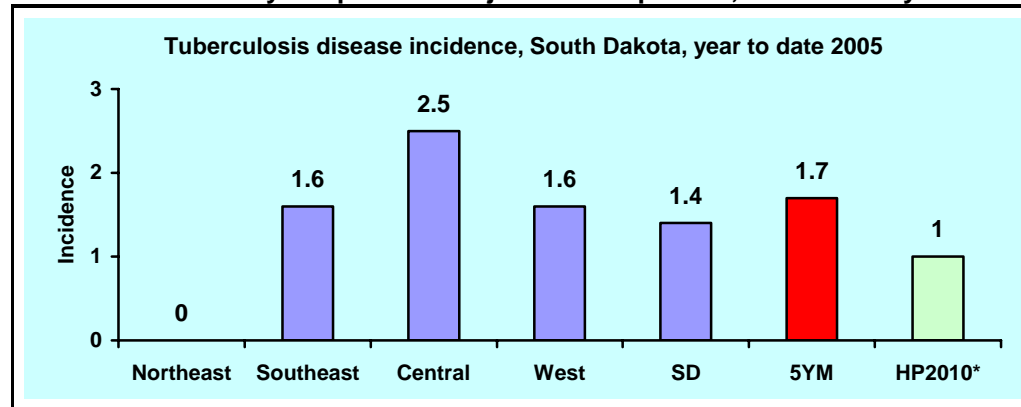
Animal	Number tested	Number Positive	% Positive
Bat (B)	43	2	5%
Cattle (C)	83	11	13%
Dog (D)	95	1	1%
Horse (H)	16	4	25%
Cat (F)	129	1	1%
Skunk (S)	41	32	78%
Raccoon (R)	20	0	-
Other*	26	0	-
Total	453	51	13%



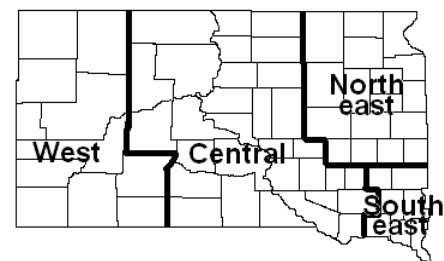
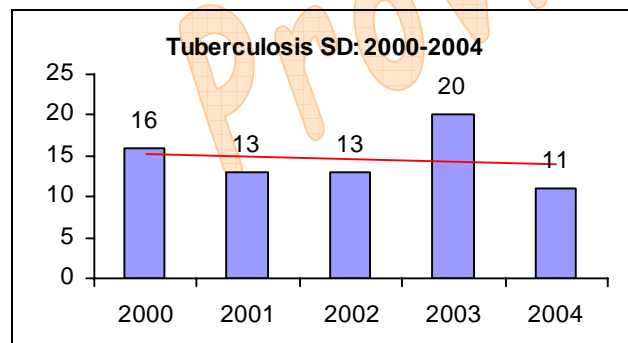
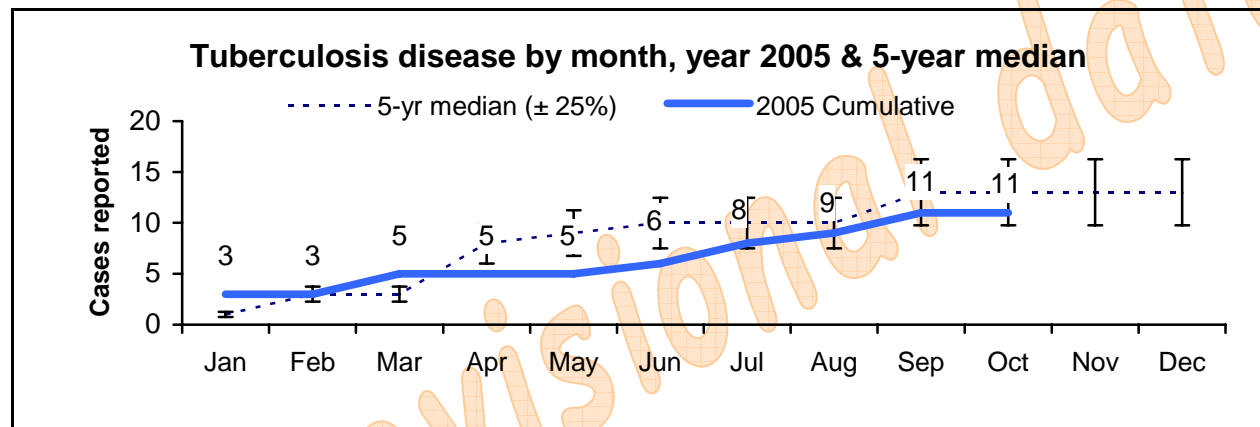
*Other animals tested: badger, goat, coyote, fox, gopher, opossum, sheep, squirrel, tiger, and wolf .

TUBERCULOSIS DISEASE		#												
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
NorthEast Region	176,361	0	0.0	0	0	0	0	0	0	0	0	0	0	
SouthEast Region	248,114	4	1.6	2	0	1	0	0	0	1	0	0	0	
Central Region	158,182	4	2.5	1	0	0	0	0	1	1	0	1	0	
Western Region	188,226	3	1.6	0	0	1	0	0	0	0	1	1	0	
West River	233,472	6	2.6	1	0	1	0	0	0	1	1	2	0	
East River	537,411	5	0.9	2	0	1	0	0	1	1	0	0	0	
South Dakota YTD	770,883	11	1.4	3	0	2	0	0	1	2	1	2	0	

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



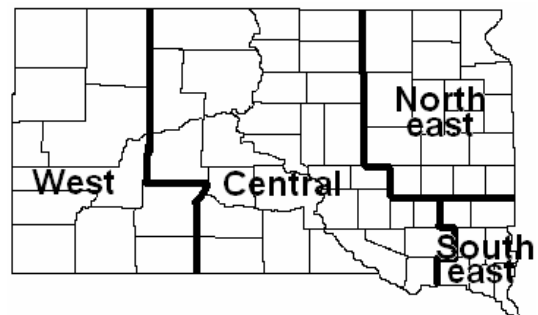
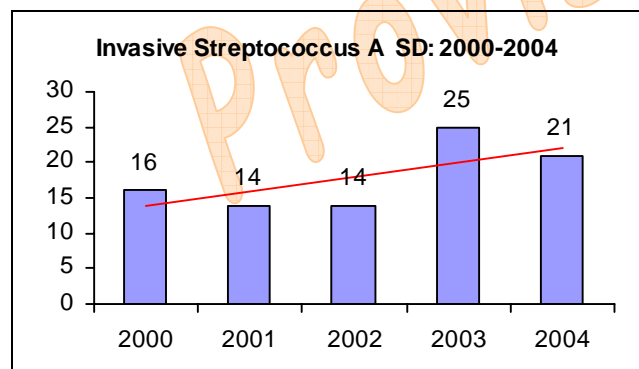
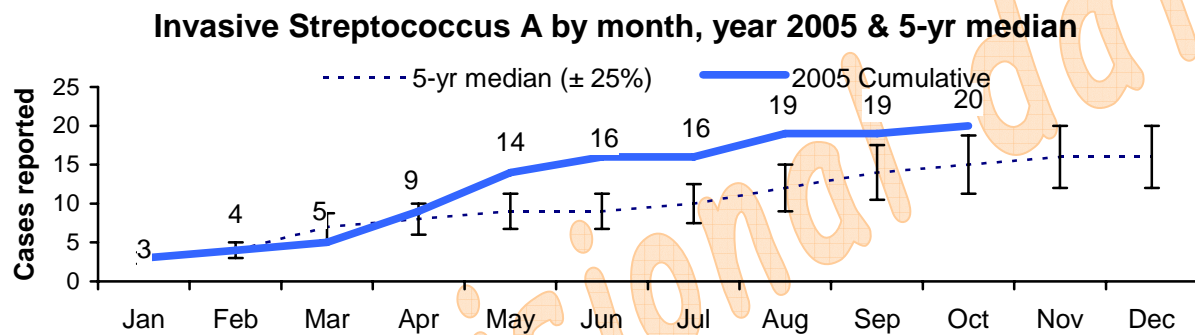
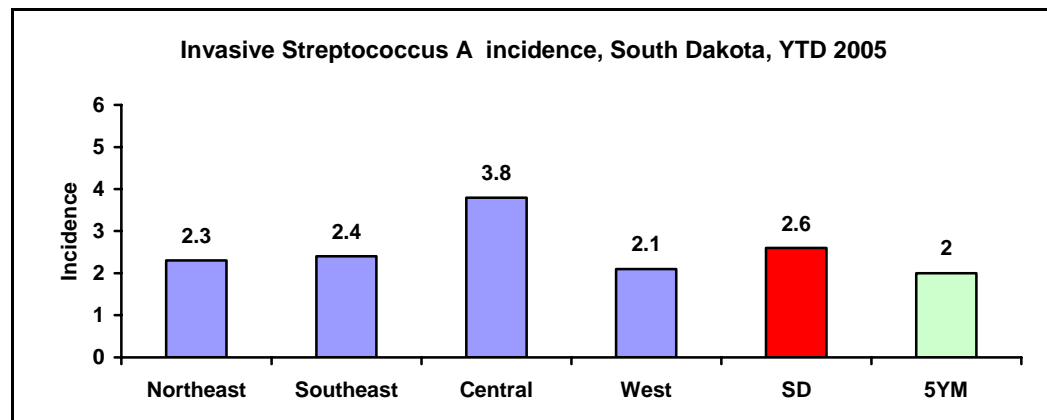
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive													
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
NorthEast Region	176,361	4	2.3	0	1	0	0	1	1	0	0	0	1
SouthEast Region	248,114	6	2.4	1	0	0	1	4	0	0	0	0	0
Central Region	158,182	6	3.8	2	0	1	3	0	0	0	0	0	0
Western Region	188,226	4	2.1	0	0	0	0	0	1	0	3	0	0
West River	233,472	7	3.0	2	0	1	0	0	1	0	3	0	0
East River	537,411	13	2.4	1	1	0	4	5	1	0	0	0	1
South Dakota YTD	770,883	20	2.6	3	1	1	4	5	2	0	3	0	1



Incidence = cases reported per 100,000 population.

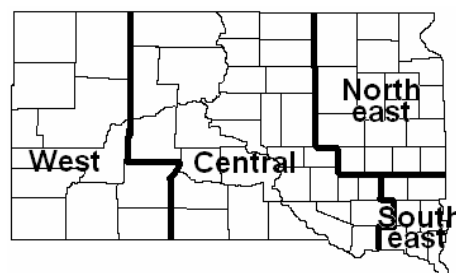
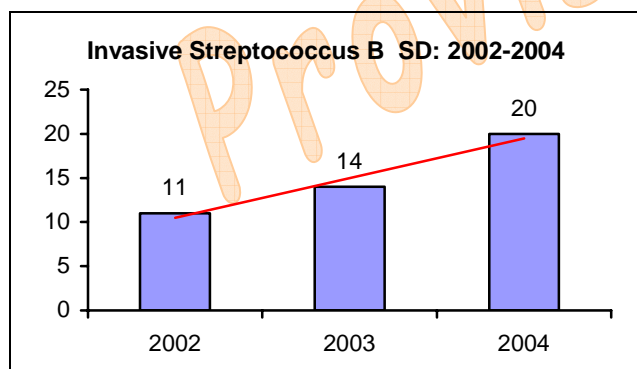
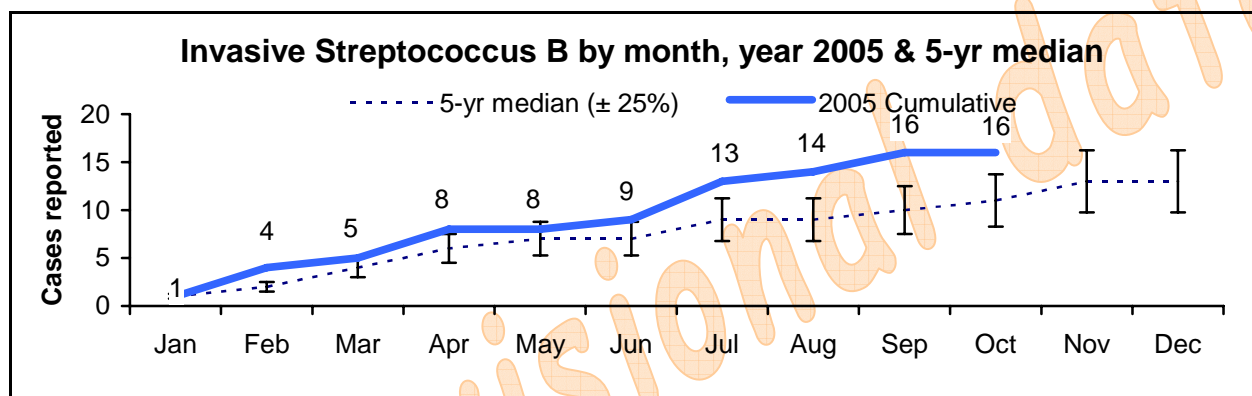
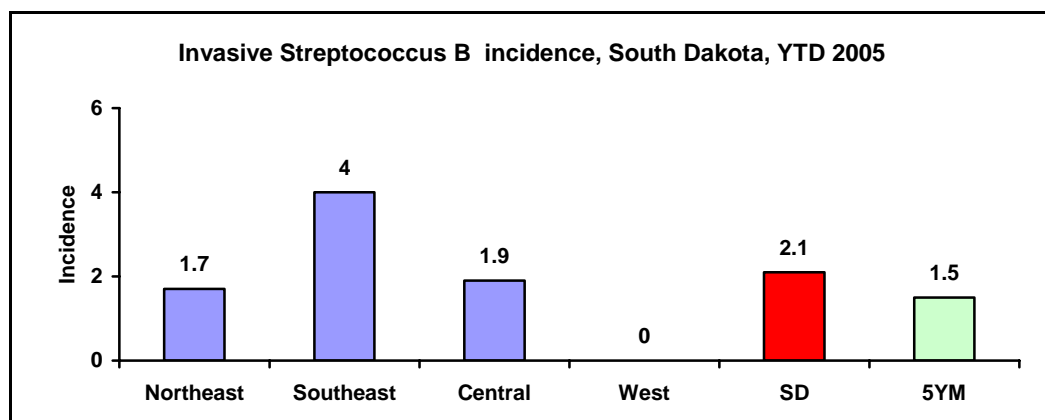
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP B, Invasive

REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
NorthEast Region	176,361	3	1.7	0	0	0	0	0	1	2	0	0	0
SouthEast Region	248,114	10	4.0	1	3	0	3	0	0	2	0	1	0
Central Region	158,182	3	1.9	0	0	1	0	0	0	0	1	1	0
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0
West River	233,472	2	0.9	0	0	1	0	0	0	0	1	0	0
East River	537,411	14	2.6	1	3	0	3	0	1	4	0	2	0
South Dakota YTD	770,883	16	2.1	1	3	1	3	0	1	4	1	2	0



Other Low Incidence or newly Reportable Diseases in South Dakota, YTD2005

- Botulism, wound, 1 case
- Shiga-toxin producing *E. coli*, non-0157:H7, 3 cases
- Hemolytic uremic syndrome, 3 cases
- Syphilis, primary or secondary, 1 case
- Legionellosis, 20 cases (18 in West Region, 1 in Central and 1 in Southeast Region)
- Hantavirus pulmonary syndrome, 2 cases
- Lyme disease, 1 case
- Hepatitis B, acute, 3 cases
- Meningococcal disease, 3 cases
- Q Fever, 1 case
- Rocky Mountain spotted fever, 5 cases
- *Streptococcus pneumoniae*, drug resistant, 3 cases
- Toxic Shock Syndrome, *Staphylococcus aureus*, 1 case
- Toxic Shock Syndrome, *Streptococcus pyogenes*, 1 case
- Tularemia, 7 cases
- Yersiniosis, 1 case

MRSA (invasive)		#													
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	8	4.5	1	1	2	1	1	0	0	1	0	1		
SouthEast Region	248,114	24	9.7	3	0	5	2	1	3	0	6	0	4		
Central Region	158,182	7	4.4	0	1	3	0	0	2	0	1	0	0		
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0		
West River	233,472	2	0.9	0	0	1	0	0	0	0	1	0	0		
East River	537,411	37	6.9	4	2	9	3	2	5	0	7	0	5		
South Dakota YTD	770,883	39	5.1	4	2	10	3	2	5	0	8	0	5		

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

CHICKEN POX (varicella)		#													
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
NorthEast Region	176,361	13	7.4	4	3	0	5	0	0	0	1	0	0		
SouthEast Region	248,114	40	16.1	0	2	3	16	1	0	9	1	4	4		
Central Region	158,182	20	12.6	0	4	4	3	4	3	0	1	0	1		
Western Region	188,226	14	7.4	2	4	3	3	0	0	2	0	0	0		
West River	233,472	19	8.1	2	6	3	3	1	1	2	0	0	1		
East River	537,411	68	12.7	4	7	7	24	4	2	9	3	4	4		
South Dakota YTD	770,883	87	11.3	6	13	10	27	5	3	11	3	4	5		

Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates